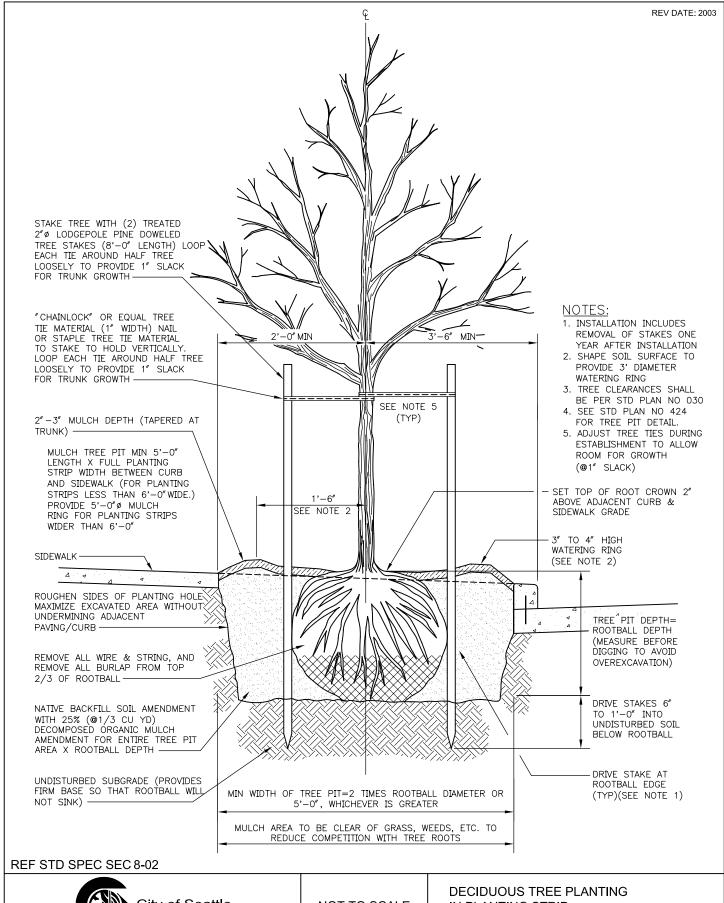
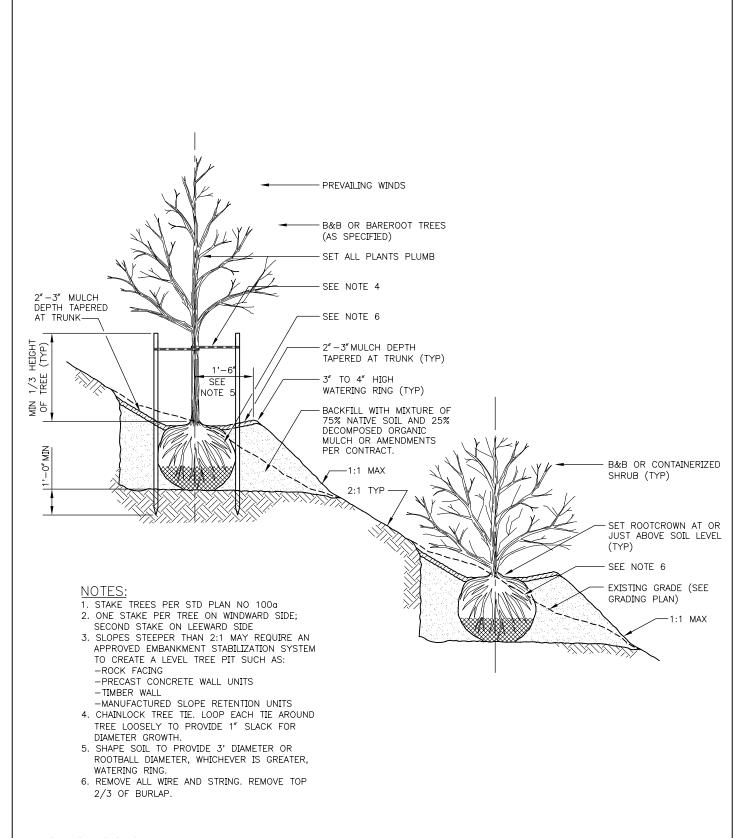
### STANDARD PLAN NO 100a



City of Seattle

NOT TO SCALE IN PLANTING STRIP



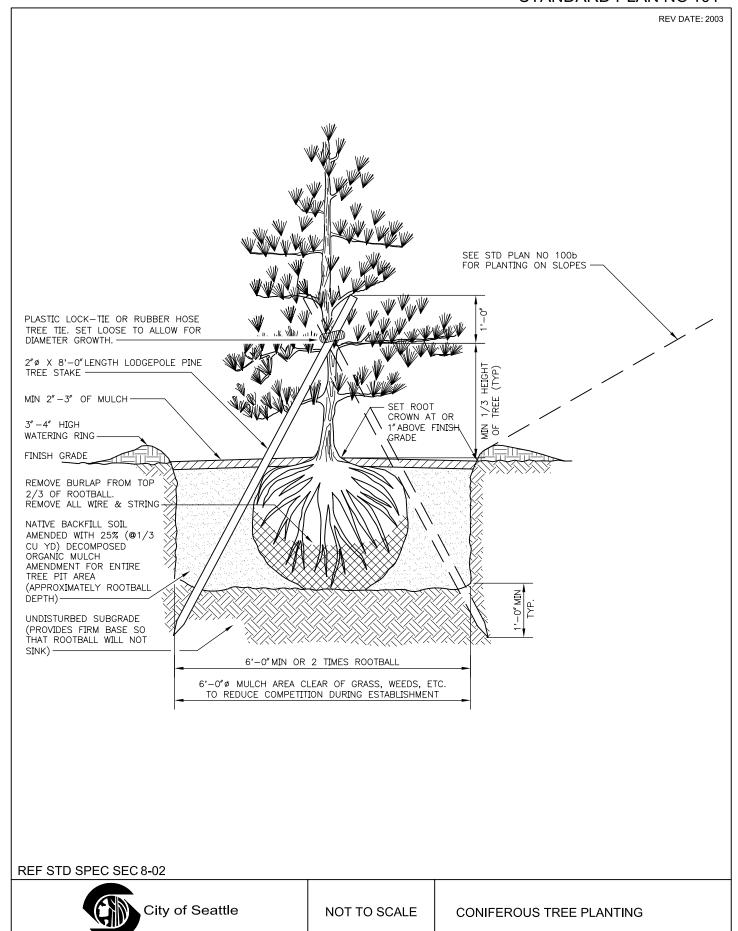


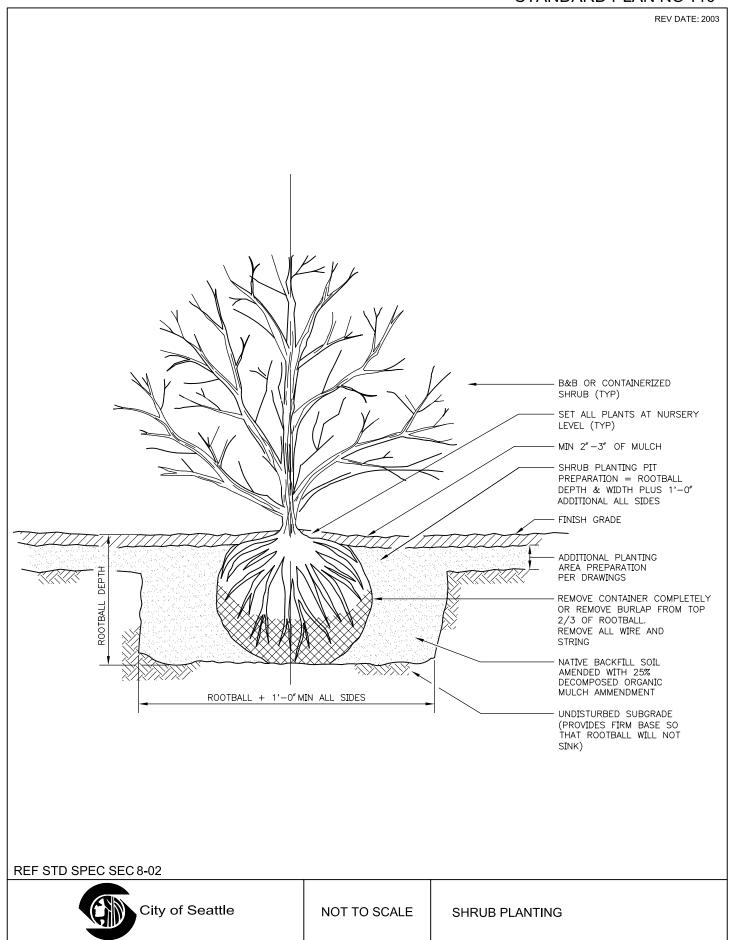
## REF STD SPEC SEC 8-02

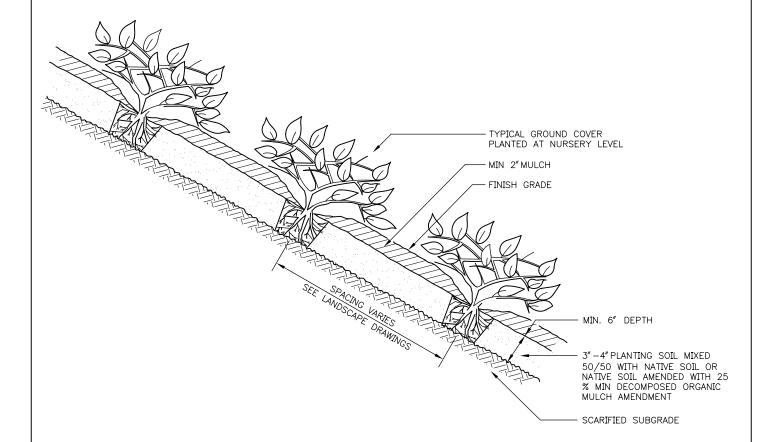


NOT TO SCALE

TREE & SHRUB PLANTING ON SLOPES





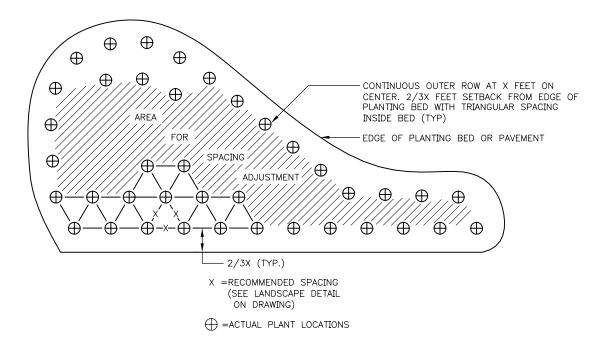


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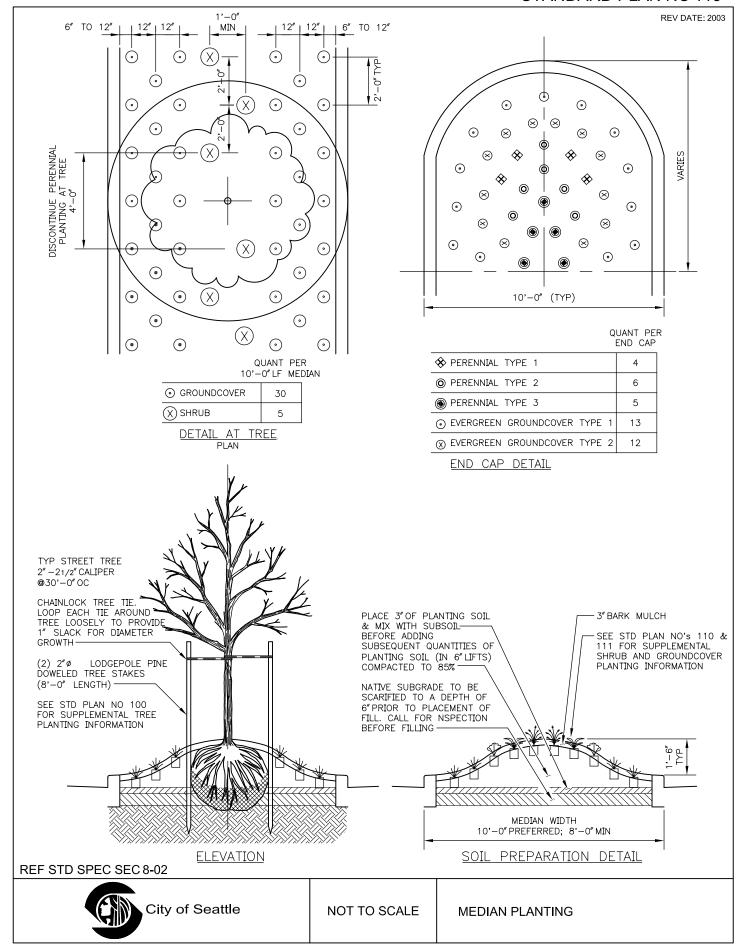
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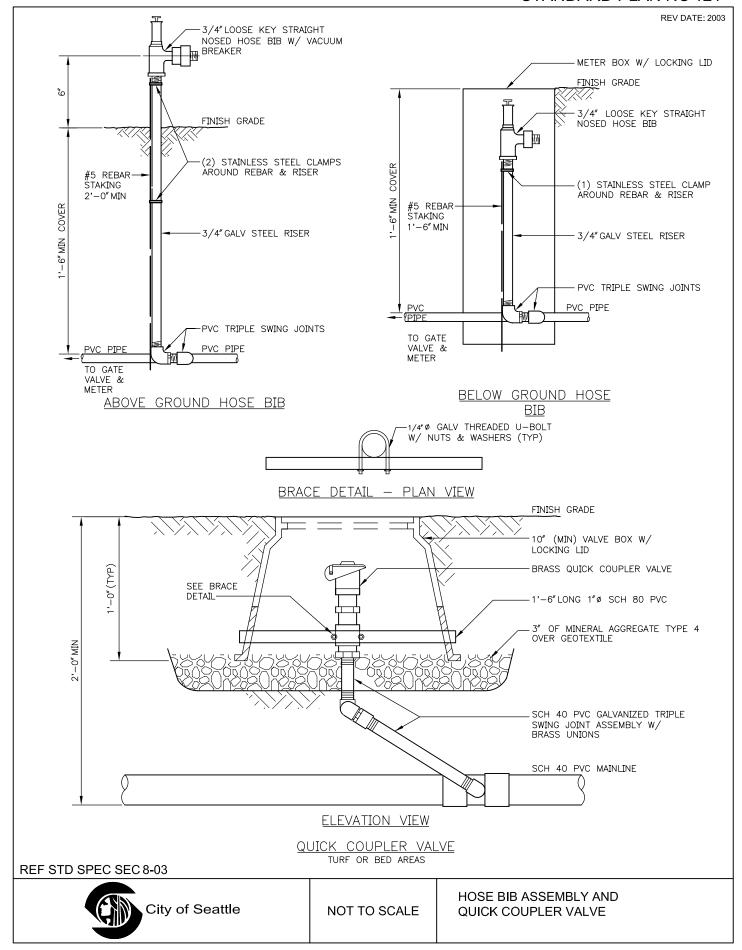
**GROUND COVER PLANTING** 



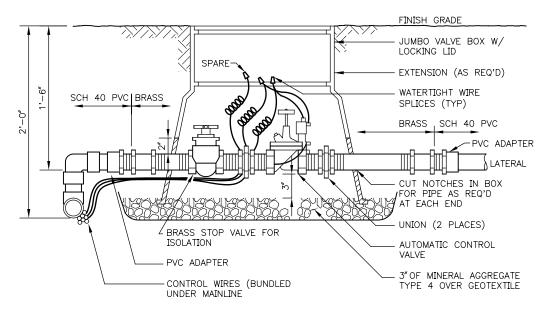
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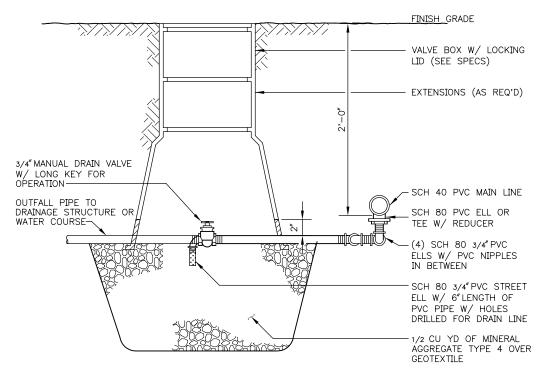
REV DATE: 2003



# NOTE:

"U" SHAPED CUT-OUT IN VALVE BOX THAT ALLOWS 2"CLEARANCE FROM TOP OF PIPE TO TOP OF "U"

## AUTOMATIC CONTROL VALVE

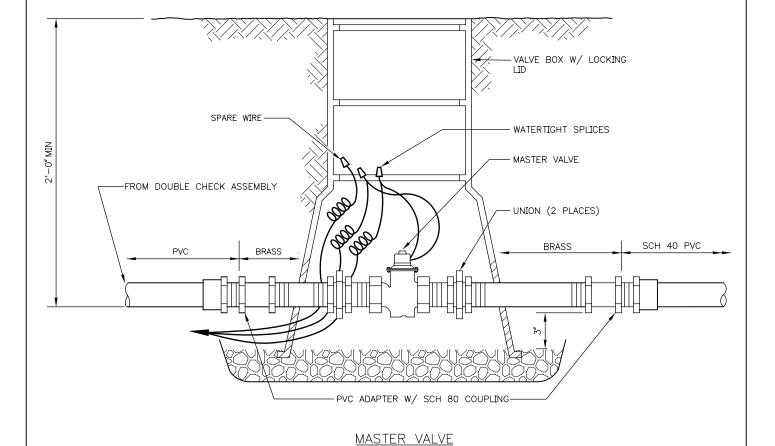


MANUAL DRAIN VALVE

REF STD SPEC SEC 8-03



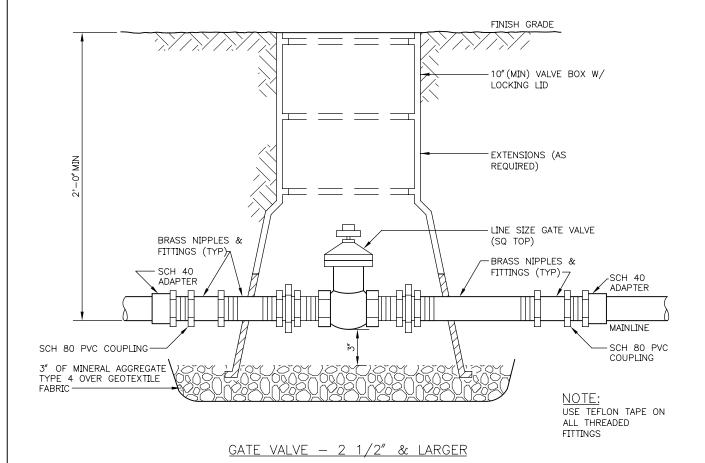
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REF STD SPEC SEC 8-03



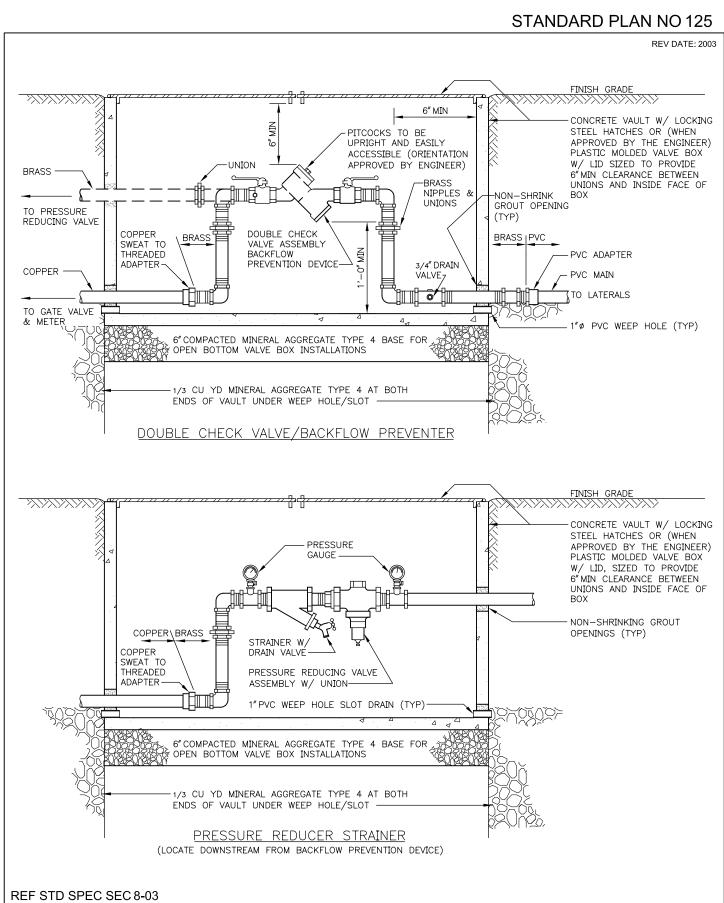
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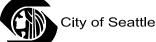
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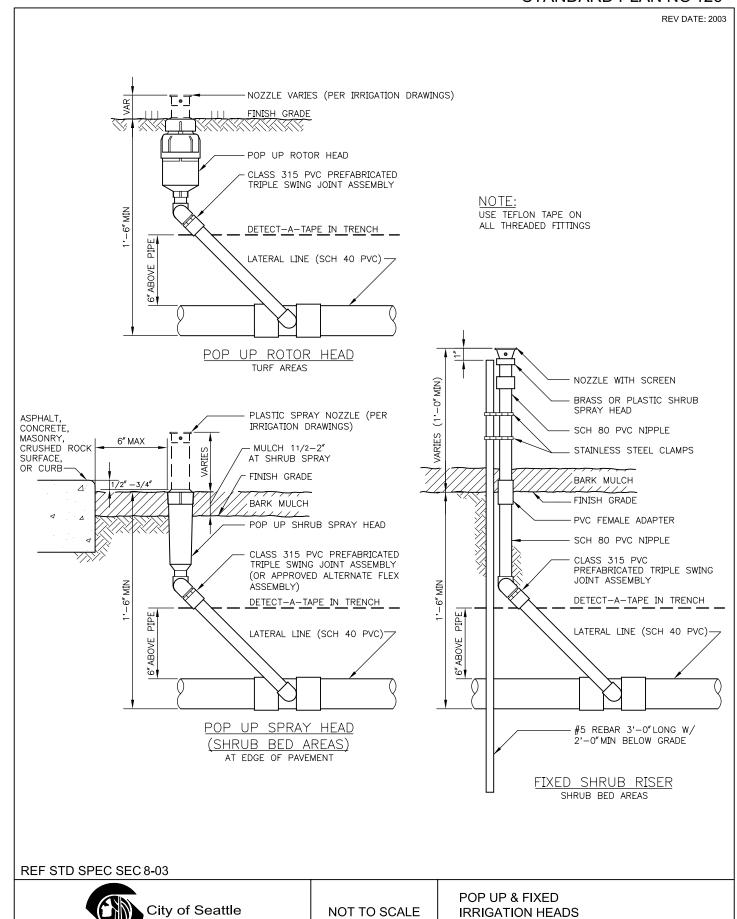
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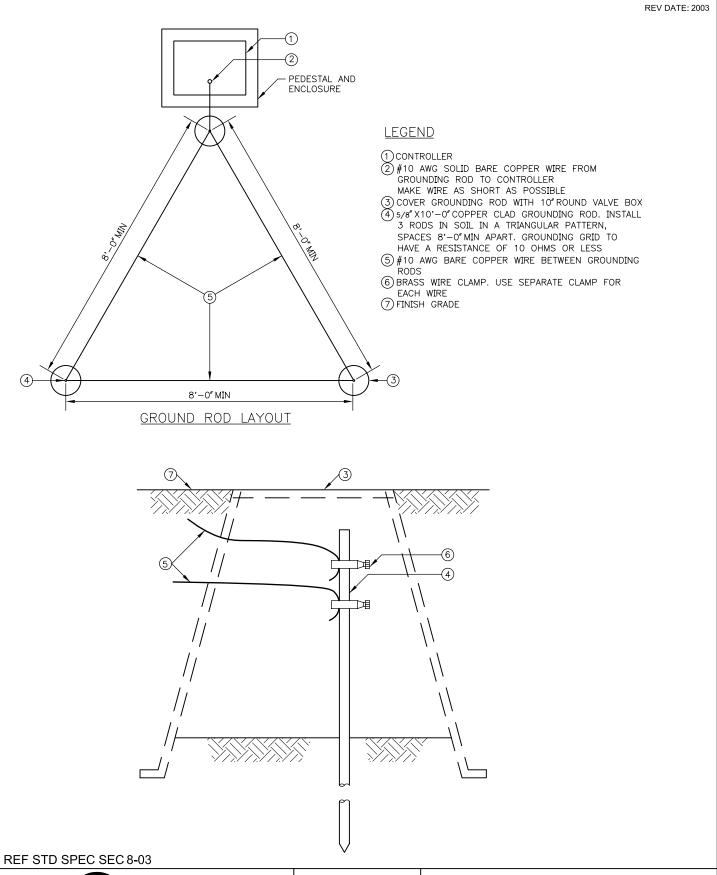
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NOT TO SCALE



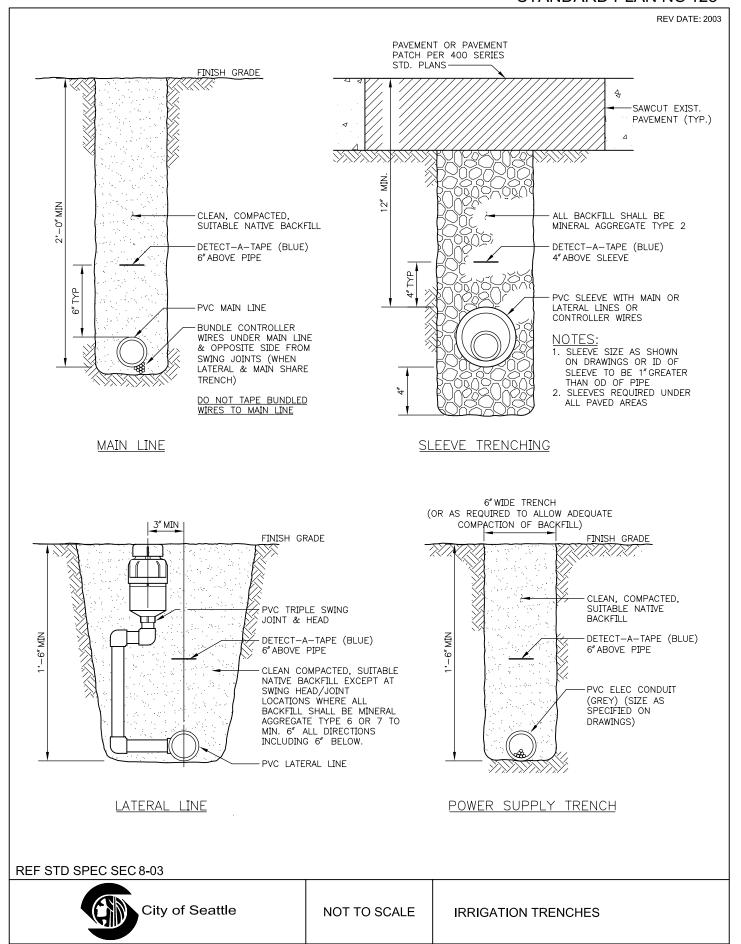


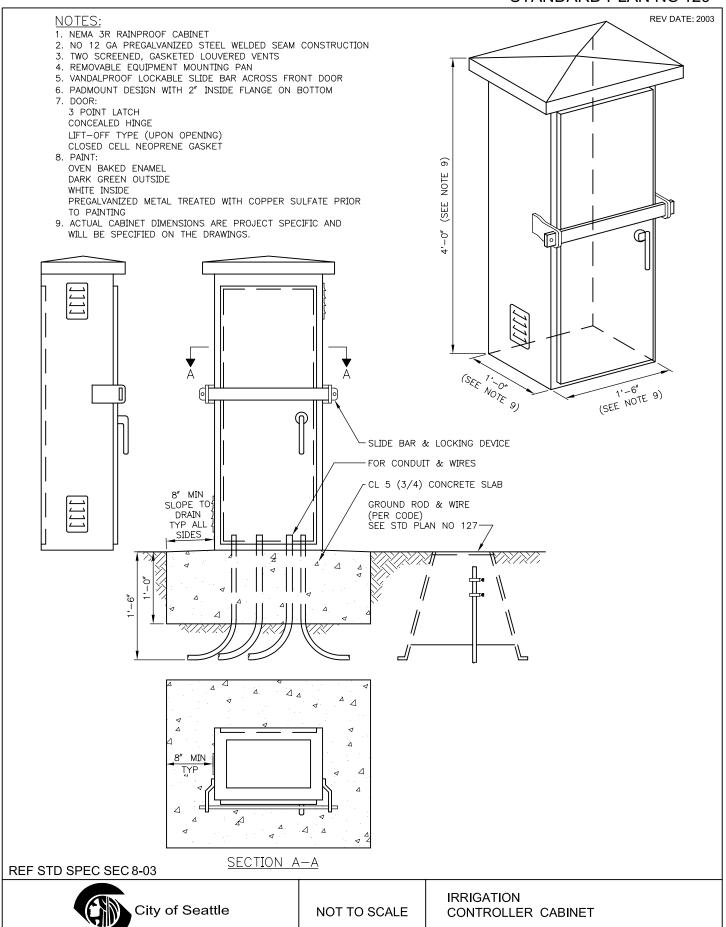


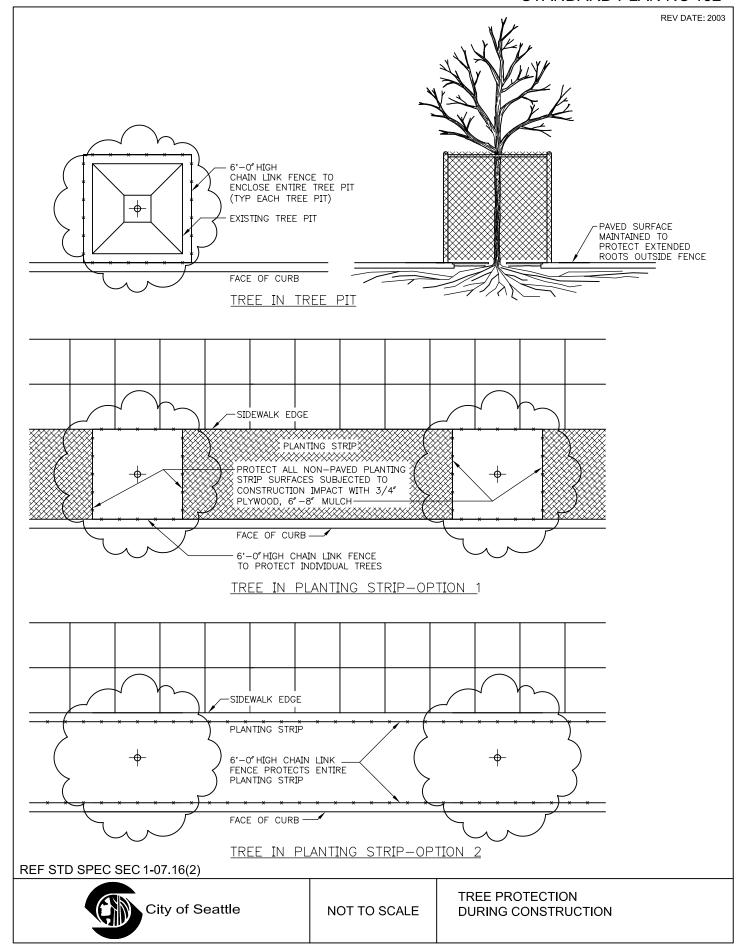


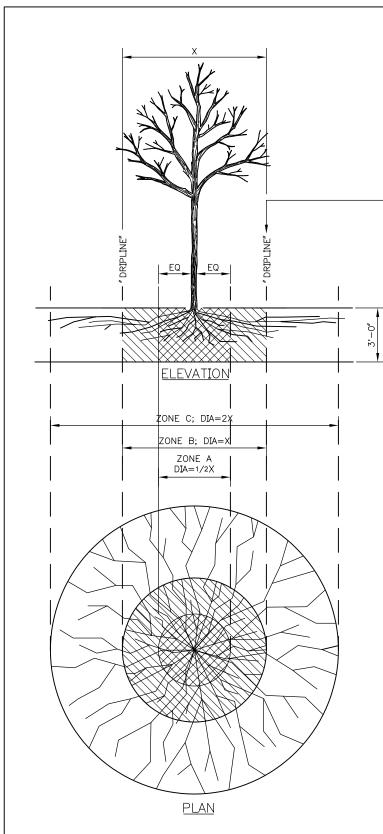
NOT TO SCALE

IRRIGATION CONTROLLER
PEDESTAL AND ENCLOSURE
GROUNDING









### FENCING/ROOT PROTECTION

CHAIN LINK FENCING TO BE PROVIDED AND MAINTANED AT DRIPLINE

ENGINEER'S APPROVAL REQUIRED FOR USE/ACCESS WITHIN ZONE B. PERMISSION FOR USE/ACCESS REQUIRES SURFACE PROTECTION FOR ALL UNFENCED, UNPAVED SURFACES WITHIN ZONE B

#### \* SURFACE PROTECTION MEASURES

- 1. MULCH LAYER, 6"-8" DEPTH
- 2. 3/4" PLYWOOD
- 3. STEEL PLATES

#### TRENCHING/EXCAVATION

#### ZONE A (CRITICAL ROOT ZONE)

- NO DISTURBANCE ALLOWED WITHOUT SITE—SPECIFIC INSPECTION AND APPROVAL OF METHODS TO MINIMIZE ROOT DAMAGE
- 2. SEVERANCE OF ROOTS LARGER THAN 2"DIA REQUIRES ENGINEER'S APPROVAL
- 3. TUNNELING REQUIRED TO INSTALL LINES 3'-0" BELOW GRADE OR DEEPER

#### ZONE B (DRIPLINE)

- OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO ENGINEERS APPROVAL. SURFACE PROTECTION\* MEASURES REQUIRED
- 2. TRENCHING ALLOWED AS FOLLOWS:
  - EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENCHER MAY BE REQUIRED
  - LIMIT TRENCH WIDTH. DO NOT DISTURB ZONE A MAINTAIN 2/3 OR MORE OF ZONE B IN UNDISTURBED CONDITION
- 3. TUNNELING MAY BE REQUIRED FOR TRENCHES DEEPER THAN 3'-0"

### ZONE C (FEEDER ROOT ZONE)

- 1. OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO ENGINEERS APPROVAL. SURFACE PROTECTION\* MEASURES MAY BE REQUIRED
- 2. TRENCHING WITH HEAVY EQUIPMENT ALLOWED AS FOLLOWS:
  - MINIMIZE TRENCH WIDTH
  - MAINTAIN 2/3 OR MORE OF ZONE C IN UNDISTURBED CONDITION

REF STD SPEC SEC 1-07.16 (2)



NOT TO SCALE

TREE PROTECTION DURING TRENCHING, TUNNELING OR EXCAVATION

		TREES IN PLANTING STRIPS	TREES IN TREE PITS
HEAVY EQUIPMENT OPERATION	ROOT PROTECTION	ALL NON-PAVED PLANTING STRIP SURFACES SUBJECT TO IMPACT (COMPACTION) BY CONSTRUCTION ACTIVITY SHALL BE PROTECTED WITH 6"-8" MULCH LAYER OR 3/4" PLYWOOD PANELS  PROVIDE WOOD PLANKING OR STEEL PANELS UNDER BACKHOE STABILIZERS PLACED ANYWHERE IN THE PLANTING STRIP [1-07.16(2)]  NO STORAGE OF MATERIALS OR EQUIPMENT IN THE PLANTING STRIP SHALL BE ALLOWED WITHOUT PROPER SURFACE PROTECTION AND WRITTEN AUTHORIZATION FROM THE ENGINEER	RETAIN EXISTING PAVING DURING CONSTRUCTION  SCHEDULE PAVEMENT REPLACEMENT TO MINIMIZE EXPOSURE OF SURFACE ROOTS TO DRYING, EQUIPMENT DAMAGE, COMPACTION, ETC. EXPOSURE FOR LONGER THAN 48 HOURS REQUIRES MULCH APPLICATION
	CANOPY PROTECTION	OVERHEAD BRANCHING LIKELY TO BE DAMAGED BY EQUIPMENT OPERATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER WITH PREVENTIVE MEASURES (PRUNING OR TIE-BACK OF BRANCHES) APPROVED BY THE ENGINEER AND PROPERLY EXECUTED BEFORE COMMENCEMENT OF THE WORK	
	TRUNK PROTECTION	PROVIDE CHAIN LINK CONSTRUCTION FENCE IN INDIVIDUAL FENCE INSTALLATIONS FOR EACH TREE OR THE LENGTH OF THE PLANTING STRIP.	PROVIDE 5'-0'MIN HEIGHT FENCE INSTALLATIONS FOR EACH TREE TO ENCLOSE ENTIRE TREE PIT OPENING.
SIDEWALK RECONSTRUCTION		ROOT PRUNE <u>ONLY</u> AS APPROVED BY THE ENGINEER  MAINTAIN 2'-O" <u>MIN</u> CLEARANCE FROM FLARE OF TRUNK WHEN SETTING FORMS.	PROVIDE 5'-0"X5'-0" OR 4'-0"X6'-0" (24 SQ FT MIN) TREE PITS IN NEW SIDEWALK FOR NEW TREES. TREE PIT SIZE FOR EXISTING TREES SHALL BE ELONGATED (8'-0"TO 12'-0"+). PITS MAY BE REQUIRED TO MINIMIZE ROOT IMPACTS WHILE MAINTAINING REQUIRED SIDEWALK WIDTH
TRENCH OR TUNNELING		SEE STD PLAN NO 133	

REF STD SPEC SEC 1-07.16(2)



CONSTRUCTION AROUND EXISTING TREES

REV DATE: 2003 EXISTING OR NEW GRADE (VARIABLE) 1'-0" MIN 2'-0" DESIRABLE EXISTING OR NEW GRADE (VARIABLE) 1'-0" MIN 2'-0" DESIRABLE REF STD SPEC SEC 2-03 City of Seattle NOT TO SCALE SLOPE ROUNDING

